

**Amendments to the Claims:** This listing of claims will replace all prior versions, and listings, of claims in the application

Listing of Claims:

1-53. Canceled.

1           54. (Previously Presented) An endoluminal prosthesis system comprising:  
2           an expandable tubular Y-connector module having a common lumen, a first  
3           branch lumen, and a second branch lumen, the first and second branch  
4           lumens being in communication with the common lumen; and  
5           a plurality of radially expandable prosthetic modules, each module having a  
6           tubular body portion and an end which fittingly engages at least one of the  
7           common lumen, the first branch lumen, and the second branch lumen;  
8           wherein the plurality of body portions provide different selectable assembled  
9           endoluminal prosthetic characteristics.

1           55. (Previously Presented) A prosthesis system as claimed in claim 54, wherein  
2           at least two of the plurality of body portions differ in cross-section.

1           56. (Previously Presented) A prosthesis system as claimed in claim 54, wherein  
2           engagement of the end of each prosthetic module with the Y-connector module affixes the  
3           prosthetic module and the Y-connector module with an axial overlap.

1           57. (Previously Presented) A position-indicating stent-graft comprising:  
2           a radially expandable tubular frame;  
3           a flexible liner supported by the frame;  
4           an attachment mechanism which holds the liner on the frame; and

5 markers disposed on at least one of the frame, the liner, and the attachment  
6 mechanism, the markers visible under imaging to indicate at least one of axial  
7 and rotational position of the stent-graft.

1 58. (Previously Presented) A position-indicating stent-graft as claimed in claim  
2 57, wherein the markers indicate position under imaging while in a compressed mode and while  
3 in an expanded mode.

1 59. (Previously Presented) A position-indicating stent-graft as claimed in claim  
2 57, wherein the markers comprise a rotational indicator.

1 60. (Previously Presented) A modular endoluminal prosthesis placement  
2 method comprising: inserting a Y-connector prosthetic module within a body  
3 lumen system;

4 positioning a main body of the Y-connector prosthetic module at a target location  
5 of a body lumen, the target location adjacent to first and second branch  
6 lumens of the body lumen system;

7 radially expanding the first prosthetic module at the target location;

8 selecting a preferred first branch prosthetic module from a plurality of alternative  
9 branch prosthetic modules having differing prosthetic characteristics; and

10 positioning an end of the preferred first branch prosthetic module within the first  
11 branch of the body lumen system and radially expanding the preferred first  
12 branch prosthetic module, the expanded preferred first branch prosthetic  
13 module engaging the Y-connector prosthetic module.

1                   61. (Previously Presented) A method for assembling endoluminal prosthetic  
2 modules within a body lumen, the method comprising:  
3                   deploying a first tubular prosthetic module within the body lumen;  
4                   inserting a second tubular prosthetic module into the body lumen in a radially  
5                   compressed configuration;  
6                   aligning an image of markings disposed on at least one of the first prosthetic  
7                   module and the second prosthetic module with an image of the other of the  
8                   first prosthetic module and the second prosthetic module; and  
9                   expanding an end of the aligned second prosthetic module to engage an end of  
10                  the first prosthetic module.

1                   62. (Previously Presented) The endoluminal prosthesis system as claimed in  
2 claim 54, wherein a portion of at least one of said modules has a different radiopacity, said  
3 portion of different radiopacity facilitating proper alignment of said modules with respect to one  
4 another during said engagement.

1                   63. (Previously Presented) The endoluminal prosthesis system as claimed in  
2 claim 54 further comprising:

3                   radiographic indicia defined on at least one of said modules and having different  
4 radiopacity from said module, wherein the composite radiographic image of said radiographic  
5 indicia varies with the rotational orientation of said module in a body lumen;

6                   wherein the rotational orientation of said module in the body lumen is indicated  
7 by said radiographic image for optional adjustment of the rotational orientation.

1                   64. (Previously Presented) A system for introducing the endoluminal prosthesis  
2 system of claim 54 into a vessel to define a continuous lumen, said system comprising:

3                   a first introducer for introducing a first module of said endoluminal prosthesis  
4 system into the vessel, said first module having a portion adapted for connection to another  
5 module; and

6                   a second introducer for (a) introducing a second module of said endoluminal  
7 prosthesis system in a radially compressed state into the vessel and into said portion of said  
8 first module, and (b) deploying said second module to connect to said portion of said first  
9 module and to define said continuous lumen through said first module and said second module.

1                   65. (Previously Presented) The endoluminal prosthesis system as claimed in  
2 claim 54, said endoluminal prosthesis system being configured for placement at an angeological  
3 bifurcation of a vessel into two branched vessels, said expandable tubular Y-connector module  
4 at least partially supported by a bifurcated stent member, defining two lumens, at least one of  
5 which is configured to be disposed entirely within said vessel and is adapted to mate with one  
6 of said radially expandable prosthetic modules configured to extend into one of the two  
7 branched vessels.

1                   66. (Previously Presented) The endoluminal prosthesis system as claimed in  
2 claim 54, said endoluminal prosthesis system comprising a male engaging portion on a selected  
3 one of said modules, and a female portion on another one of said modules, said male engaging  
4 portion being configured to be positioned at least partially within said female portion for inter-  
5 engagement between the outer surface of said male engaging portion and the inner surface of  
6 said female portion to resist longitudinal movement to prevent separation of said modules in  
7 service, each of said male engaging portion and said female portion comprising a stent and at  
8 least one of said modules comprising a graft layer attached to said stent, said graft layer being

9 configured to be interposed between said male engaging portion and said female portion to  
10 form a substantially fluid-tight seal upon assembly.

1 67. (New) A prosthesis comprising:

2 (i) a bifurcated base structure which defines a common flow lumen and a pair of  
3 connector legs which define divergent flow lumens from the common flow lumen; and

4 (ii) a graft which is adapted to be anchored within one of the flow lumens of said  
5 bifurcated base structure to form a continuous extension of that lumen.

1 68. (New) A prosthesis comprising:

2 a first graft comprising a proximal portion, a first distal portion, and a second  
3 distal portion;

4 said proximal portion defining a lumen and adapted to be disposed within a blood  
5 vessel in juxtaposition with a bifurcation;

6 said first distal portion defining a lumen and adapted to allow blood to flow from  
7 said proximal portion into a first branched blood vessel;

8 said second distal portion defining a lumen and adapted to allow blood to flow  
9 from said proximal portion into a second branched vessel; and

10 a second graft defining a lumen and adapted to be intravascularly inserted into a  
11 lumen of said first graft to allow blood to flow through the lumen defined by said second graft;  
12 and

13 wherein said first distal portion has a downstream end forming a skirt.

- 1                    69. (New)    The prosthesis as defined in claim 67, wherein said bifurcated base
- 2    structure and said graft are formed of a thin biocompatible material.